Recent Scientific and Technical Books

Volumes marked with an asterisk have been received at "NATURE" *Office*

Mathematics: Mechanics: Physics

Auerbach, F., und Hort, W., Herausgegeben von. Handbuch der physikalischen und technischen Mechanik. Band 7: Grenzgebiete der technischen und physikalischen Mechanik. Sup. Roy. 8vo. Lieferung 1. Pp. iv +238. Lieferung 2. Pp. vi +239–490. Lieferung 3. Pp. vii + 491–814. Lieferung 4: Alphabetisches Sachregister zu Band 1–7. Pp. xv +815–853. (Leipzig: Johann Ambrosius Barth, 1928–1931.) 72 gold marks.*

Baker, H. F. Principles of Geometry. Vol. 6: Introduction to the Theory of Algebraic Surfaces and Higher Loci. Demy 8vo. Pp. ix +308. (Cambridge: At the University Press, 1933.) 17*s.* 6*d.* net.*

Bauer, Edmond. Introduction à la théorie des groupes et à ses applications à la physique quantiques. Imp. 8vo. Pp. ii +170. (Paris: Les Presses universitaires de France, 1933.) 40 francs.*

Becker, R. Theorie der Elektrizität. Neubearbeitung des Werkes von M. Abraham. Band 1: Einführung in die Maxwellsche Theorie der Elektrizität, mit einem Einleitenden Abschnitte über das Rechnen mit Vektorgrössen in der Physik. Roy. 8vo. Neunte Auflage. Pp. vii +261. 14.50 gold marks. Band 2: Elektronentheorie. Sechste vollständig neubearbeitete Auflage des Werkes von M. Abraham. Roy. 8vo. Pp. vii +400. 17 gold marks. (Leipzig und Berlin: B. G. Teubner, 1932–1933.)*

Bernstein, Vladimir. Leçons sur les progrès récents de la théorie des séries de Dirichlet professées au Collège de France. Roy. 8vo. Pp. 320. (Paris: Gauthier-Villars et Cie, 1933.) 62 francs.

Biggs, H. F. The Electromagnetic Field. Demy 8vo. Pp. viii +158. (Oxford: Clarendon Press; London: Oxford University Press, 1934.) 10*s.* 6*d.* net.*

Childs, W. H. J. Physical Constants, selected for Students. (Methuen's Monographs on Physical Subjects.) Fcap. 8vo. Pp. viii +77. (London: Methuen and Co., Ltd., 1934.) 2*s.* 6*d.* net.*

Crosland, L., and Helme, M. Middle School Mathematics: for Second, Third and Fourth Year Students in Secondary Schools. Cr. 8vo. Pp. xi +384 +xxxvi. (London: Macmillan and Co., Ltd., 1933.) With or without Answers, 4*s.* 6*d.*

Dingler, H. Die Grundlagen der Geometrie: ihre Bedeutung für Philosophie, Mathematik, Physik und Technik. Sup. Roy. 8vo. Pp. 76. (Stuttgart: Ferdinand Enke, 1933.) 4.80 gold marks.

Foch, Adrien. Acoustique. (Collection Armand Colin: Section de physique, No. 166.) Fcap. 8vo. Pp. 210. (Paris: Armand Colin, 1934.) 10.50 francs.*

Fulford, R. J. Revision and Mental Tests in Geometry. Cr. 8vo. Pp. viii +80. (London: University Tutorial Press, Ltd., 1933.) 1*s.*

Geffcken, H., und Richter, H. Die Photozelle in der Technik. 8vo. Pp. 75 +3 plates. (Berlin-Tempelhof: J. Schneider, 1933.) 2 gold marks.

Haas, Arthur. Physik für Jedermann: mit besonderer Berücksichtigung der modernen technischen Anwendungen. (Verständliche Wissenschaft, Band 20.) Cr. 8vo. Pp. x +274. (Berlin: Julius Springer, 1933.) 6.80 gold marks.*

Jahnke, Eugen, und Emde, Fritze. Funktionentafeln: mit Formeln und Kurven (Tables of Functions: with Formulæ and Curves). Zweite neubearbeitete Auflage (Second revised edition). Roy. 8vo. Pp. xviii +330. (Leipzig und Berlin: B. G. Teubner, 1933.) 16 gold marks.*

Klinger, J. Die textilmikroskopischen Untersuchungen in der Praxis. Roy. 8vo. Pp. 93. (Wien: Sallmayer Verlag, 1934.) 7.50 gold marks.

Koschmieder, L. Variationsrechnung. (Sammlung Göschen, Band 1074.) Pott 8vo. Pp. 127. (Berlin und Leipzig: Walter de Gruyter und Co., 1933.) 1.62 gold marks.

Kramers, H. A. Theorien des Aufbaues der Materie. 1: Die Grundlagen der Quantentheorie. (Hand- und Jahrbuch der chemischen Physik, herausgegeben von A. Eucken und K. L. Wolf, Band 1, Abschnitt 1.) Sup. Roy. 8vo. Pp. 222. (Leipzig: Akademische Verlagsgesellschaft m.b.H., 1933.) 18 gold marks.*

Mangoldt-Knopp. Einführung in die höhere Mathematik: für Studierende und zum Selbststudium. Band 3: Integralrechnung und ihre Anwendungen, Funktionentheorie, Differentialgleichungen. Sechste Auflage. Roy. 8vo. Pp. xvi +618. (Leipzig: S. Hirzel, 1933.) 15 gold marks.

Miller, Fred R. Progressive Problems in Physics. Completely revised. Cr. 8vo. Pp. vii +225. (Boston, New York and Chicago: D. C. Heath and Co.; London: George G. Harrap and Co., Ltd., 1933.) 3*s.* 6*d.**

Müller-Pouillets Lehrbuch der Physik. Elfte Auflage. Herausgegeben von A. Eucken, O. Lummer und E. Waetzmann. In 5 Bänden. Band 4: Elektrizität und Magnetismus. Teil 4: Elektrische Eigenschaften der Metalle und Elektrolyte; magnetische Eigenschaften der Materie. Herausgegeben von Arnold Eucken. Roy. 8vo. Pp. xx +906. (Braunschweig: Friedr. Vieweg und Sohn A.-G., 1934.) 62 gold marks.*

Ramsey, A. S. Statics: a Text-Book for the use of the Higher Divisions in Schools and for First Year Students at the Universities. Demy 8vo. Pp. xi +296. (Cambridge: At the University Press, 1934.) 10*s.* 6*d.* net.*

Richardson, E. G. Les appareils à fil chaud: leurs applications dans la mécanique expérimentale des fluides. (Institut de Mécanique des Fluides de l'Université de Paris.) Roy. 8vo. Pp. v +67. (Paris: Gauthier-Villars et Cie, 1934.) 20 francs.*

Rothe, R. Höhere Mathematik für Mathematiker, Physiker und Ingenieure. Teil 4: Übungsaufgaben mit Lösungen; Formelsammlung. Unter Mitwirkung von O. Degosang. 6 Heften. 1 und 2 Heft zu Teil 1. 3 und 4 Heft zu Teil 2. 5 und 6 Heft zu Teil 3. (Mathematische Leitfaden, Band 33–38). Heft 2: Funktionen von zwei und mehr Veränderlichen; Differentialgeometrie ebener Kurven; Komplexe Zahlen; Veränderliche und Funktionen. 8vo. Pp. 52. (Berlin und Leipzig: B. G. Teubner, 1933.) 2 gold marks.

Slater, John C., and Frank, Nathaniel H. Introduction to Theoretical Physics. (International Series in Physics.) Med. 8vo. Pp. xx +576. (New York and London: McGraw-Hill Book Co., Inc., 1933.) 30*s.* net.*

Stewart, R. W. The New Matriculation Light. Revised by Robert W. Hutchinson. Third edition. Cr. 8vo. Pp. vii +204. (London: University Tutorial Press, Ltd., 1933.) 3*s.* 6*d.**

Underhill, Charles R. Electrons at Work: a Simple and General Treatise on Electronic Devices, their Circuits and Industrial Uses. Med. 8vo. Pp. xii +354. (New York and London: McGraw-Hill Book Co., Inc., 1933.) 18*s.* net.*

Veronnet, Alex. Cours d'algèbre de mathématiques spéciales et de mathématiques générales. Roy. 8vo. Pp. 251. (Paris: Gauthier-Villars et Cie, 1933.) 50 francs.

Walter, M. Der Selektivschutz nach dem Widerstandsprinzip. Roy. 8vo. Pp. 172. (München und Leipzig: R. Oldenbourg, 1933.) 8.50 gold marks.

Webster, A. G. Partial Differential Equations of Mathematical Physics. Edited by S. J. Plimpton. (Teubners Lehrbücher der mathem. Wissenschaften, Band 42.) Second edition. Roy. 8vo. Pp. vii +440. (Berlin und Leipzig: B. G. Teubner; New York: G. E. Stechert and Co., 1933.) 18 gold marks.

White, F. W. G. Electromagnetic Waves. (Methuen's Monographs on Physical Subjects.) Fcap. 8vo. Pp. viii +108. (London: Methuen and Co., Ltd., 1934.) 3*s.* net.*

Wien, W., und Harms, F., Herausgegeben von. Handbuch der Experimentalphysik. Unter Mitarbeit von H. Lenz. Band 17, Teil 2: Technische Akustik, Teil 1. Herausgegeben von E. Waetzmann. Sup. Roy. 8vo. Pp. xv +538. 44 gold marks. Band 17, Teil 3: Technische Akustik, Teil 2. Herausgegeben von E. Waetzmann. Sup. Roy. 8vo. Pp. xi +434. 36 gold marks. (Leipzig: Akademische Verlagsgesellschaft m.b.H., 1934).*

Engineering

Arnold, C., Edited by. Practical Engineer Electrical Pocket Book and Diary, 1934. Fcap. 8vo. (London: Oxford University Press, 1934.) 2*s*. 6*d*. net.

Beck, E. G., Edited by. Practical Engineer Mechanical Pocket Book and Diary, 1934. Fcap. 8vo. (London: Oxford University Press, 1934.) 2*s*. 6*d*. net.

Bleich, Fr. Stahlhochbauten: ihre Theorie, Berechnung und bauliche Gestaltung. 2 Bände. Sup. Roy. 8vo. Band 2. Pp. 559–934. (Berlin: Julius Springer, 1933.) 46.50 gold marks.

Bolz, G., Moeller, F., und **Werr, Th.** Leitfaden der Elektrotechnik. Band 1, Teil 1–2: Grundlagen des Gleich- und Wechselstromes. Roy. 8vo. Pp. 108 + 94. (Leipzig und Berlin: B. G. Teubner, 1933.) 9.60 gold marks.

Cantell, M. T. Practical Designing in Reinforced Concrete. Part 2. Demy 8vo. Pp. 289. (London: E. and F. N. Spon, Ltd., 1933.) 12*s*. 6*d*. net.

Girndt, M. Baustoffkunde. Elfte völlig umgearbeitete Auflage. Roy. 8vo. Pp. 196. (Leipzig und Berlin: B. G. Teubner, 1933.) 8 gold marks.

Jaeger, Ch. Théorie générale du coup de bélier: application au calcul des conduites à caractéristiques multiples et des chambres d'équilibre. Pp. 268. (Paris: Libr. Dunod, 1933.) 86 francs.

Lubberger, Fr. Die Wirtschaftlichkeit der Fernsprechanlagen. Zweite Auflage. Roy. 8vo. Pp. 124 +5 plates. (München und Berlin: R. Oldenbourg, 1933.) 6.80 gold marks.

Manning, G. P. Reinforced Concrete Arch Design. Demy 8vo. Pp. 204. (London: Sir Isaac Pitman and Sons, Ltd., 1933.) 12*s*. 6*d*. net.

Morecroft, John H., and Hehre, Frederick W. Electrical Circuits and Machinery. Vol. 2: Alternating Currents. Third edition. Med. 8vo. Pp. xiii +582. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1933.) 28*s*. net.*

Rüdenberg, R. Elektrische Schaltvorgänge und verwandte Störungserscheinungen in Starkstromanlagen. Dritte vermehrte Auflage. Sup. Roy. 8vo. Pp. 634. (Berlin: Julius Springer, 1933.) 42 gold marks.

Science Museum: South Kensington. Handbook of the Collections illustrating Pumping Machinery. By G. F. Westcott. Part 2: Descriptive Catalogue. Roy. 8vo. Pp. 195 +23 plates. (London: H.M. Stationery Office, 1933.) 3*s*. 6*d*. net.*

Taft, Theodore H. Elementary Engineering Thermodynamics. Med. 8vo. Pp. v +229. (New York: John Wiley and Sons, Inc.: London: Chapman and Hall, Ltd., 1933.) 16*s*. 6*d*. net.*

Whitehead, A. C. Planning, Estimating and Ratefixing for Production Engineers and Students. Demy 8vo. Pp. 293. (London: Sir Isaac Pitman and Sons, Ltd., 1933.) 10*s*. 6*d*. net.

Chemistry: Chemical Industry

Bader, W. Die Technik der chemischen Operationen. Pp. 416. (Basle: B. Wepf und Co., 1934.) 18 Schw. francs.

Beilsteins Handbuch der organischen Chemie. Vierte Auflage. Band 17: Die Literatur bis 1 Jan. 1910 umfassend. Fortgefuhrt von Fr. Richter. Roy. 8vo. Pp. 617. (Berlin: Julius Springer, 1933.) 128 gold marks.

Bjerrum, N. Kurzes Lehrbuch der anorganischen Chemie. Aus dem Dänischen übersetzt von Ludwig Ebert. 8vo. Pp. 356. (Berlin: Julius Springer, 1933.) 7.50 gold marks.

Brewer, F. M. Elementary Qualitative Analysis. Cr. 8vo. Pp. viii +228. (Oxford: Clarendon Press; London: Oxford University Press, 1933.) 6*s*. net.*

Cameron, A. M. Chemistry in Relation to Fire Risk and Fire Extinction. Demy 8vo. Pp. 292. (London: Sir Isaac Pitman and Sons, Ltd., 1933.) 7*s*. 6*d*. net.

Cattelain, E. Pour comprendre la chimie moderne. (Bibliothèque d'Éducation Scientifique.) Cr. 8vo. Pp. 256. (Paris: Gaston Doin et Cie, 1933.) 15 francs.

Couper, Archibald Scott, Papers by (1858). On a New Chemical Theory and Researches on Salicylic Acid. (Alembic Club Reprints, No. 21.) Cr. 8vo. Pp. 45. (Edinburgh: Oliver and Boyd; London: Gurney and Jackson, 1933.) 2*s*. 6*d*.*

Department of Scientific and Industrial Research: Fuel Research. Technical Paper No. 37: The Action of Solvents on Coal. By W. E. Bakes. Roy. 8vo. Pp. vii +214 +6 plates. (London: H.M. Stationery Office, 1933.) 4*s*. 6*d*. net.*

Ephraim, Fritz. A Text-Book of Inorganic Chemistry. English edition by P. C. L. Thorne. Second edition, revised and enlarged. Roy. 8vo. Pp. xii +873. (London and Edinburgh: Gurney and Jackson, 1934.) 28*s*. net.*

Eucken, A., und **Jakob, M.,** Herausgegeben von. Der Chemie-Ingenieur: ein Handbuch der physikalischen Arbeitsmethoden in chemischen und verwandten Industriebetrieben. Band 1: Physikalische Arbeitsprozesse des Betriebes. Teil 4: Elektrische und magnetische Materialtrennung, Materialvereinigung. Herausgegeben von A. Eucken. Pp. 280. (Leipzig: Akademische Verlagsgesellschaft m.b.H., 1933.) 27 gold marks.

Faraday, Michael. The Chemical History of a Candle. In Basic English by Phyllis Rossiter. (Psyche Miniatures.) Pott 8vo. Pp. 153. (London: Kegan Paul and Co., Ltd., 1933.) 2*s*. 6*d*. net.

Gaertner, V. Elektrochemie: ein Lehr- und Hilfsbuch für Studierende, Techniker und Fabrikanten. Roy. 8vo. Pp. 408. (Wien: Deutsche Verlag für Jugend und Volk, 1934.) 20 gold marks.

Gmelins Handbuch der anorganischen Chemie. Achte Auflage. Herausgegeben von der Deutschen Chemischen Gesellschaft. System-Nummer 59: Eisen. Teil A, Lieferung 5. Sup. Roy. 8vo. Pp. 847–1166. (Berlin: Verlag Chemie G.m.b.H., 1933.) 50 gold marks.*

Hetzer, J. Textil-Hilfsmittel Tabellen: insbesondere Schaum-, Netz-, Wasch-Reinigungs-, Dispergierusw.-Mittel. Pp. iv +211. (Berlin: Julius Springer, 1933.) 12 gold marks.

Hou, Te-Pang. Manufacture of Soda: with Special Reference to the Ammonia Process; a Practical Treatise. (American Chemical Society Monograph Series.) Med. 8vo. Pp. 365. (New York: Chemical Catalog Co., Inc., 1933.) 8 dollars.

Kausch, O. Handbuch der Azetylzellulosen. Roy. 8vo. Pp. 274. (München: J. F. Lehmann, 1933.) 20 gold marks.

Krüger, D. Zelluloseazetate und die anderen organischen Ester der Zellulose. Roy. 8vo. Pp. viii +408. (Dresden und Leipzig: Theodor Steinkopff, 1933.) 20 gold marks.

Mines Department: Safety in Mines Research Board. Paper No. 81: The Prevention of Ignition of Firedamp by the Heat of Impact of Coal-Cutter Picks against Hard Rocks. By M. J. Burgess and R. V. Wheeler. Roy. 8vo. Pp. 12 +4 plates. (London: H.M. Stationery Office, 1933.) 6*d*. net.*

Moore, F. J. Outlines of Organic Chemistry: a Book designed especially for the General Student. Revised by William T. Hall. Fourth edition. Demy 8vo. Pp. xiv + 338. (New York: John Wiley and Sons, Inc.; London: Chapman and Hall, Ltd., 1933.) 16*s*. 6*d*. net.*

Rheinboldt, H. Chemische Unterrichtsversuche: Ausgewählte Beispiele für den Gebrauch an Hochschulen und Höheren Lehranstalten. Roy. 8vo. Pp. xx +326. (Dresden und Leipzig: Theodor Steinkopff, 1934.) 10 gold marks.*

Spirit Tables. Tables to be used with Sikes's A. and B. Hydrometers. Part 1: For ascertaining the Strength of Spirits at Temperatures ranging from 30° to 100° Fahrenheit; Part 2: For determining the Weight per Gallon of Spirits by Sikes's A. and B. Hydrometers. (Issued under the Authority of the Commissioners of H.M. Customs and Excise.) Roy. 8vo. Pp. 68. (London: H.M. Stationery Office, 1933.) 2*s.* 6*d.* net.*

Stock, Alfred. Hydrides of Boron and Silicon. (The George Fisher Baker Non-resident Lectureship in Chemistry at Cornell University, Vol. 12.) Med. 8vo. Pp. x+250. (Ithaca, N.Y.: Cornell University Press; London: Oxford University Press, 1933.) 9*s.* net.*

Wagner, A. Aromastoffe: Kurzes Handbuch für die Aroma-, Alkoholfreie Getranke-, Riechstoff- und Spirituosen-Industrie. (Technische Fortschrittsberichte: Fortschritte der chemisch Technologie in Einzeldarstellungen, herausgegeben von B. Rassow, Band 30.) Pp. xiv+340. (Dresden und Leipzig: Theodor Steinkopff, 1933.) 20 gold marks.

Technology

Claus, W., und **Goederitz, A. H. F.** Gegossene Metalle und Legierungen: Grundlagen e. metallgiessereitechn. Werkstoffkunde. Sup. Roy. 8vo. Pp. 345. (Berlin: M. Krayn, 1933.) 68 gold marks.

Day, Lewis F. Pattern Design: the Anatomy, Planning and Evolution of Repeated Ornament. Second edition, revised and enlarged by A. Fenn. Med. 8vo. Pp. 318. (London: B. T. Batsford, Ltd., 1933.) 10*s.* 6*d.* net.

Deville, H. Sainte-Claire. Aluminium: its Manufacture, Properties and Uses. Translated from the French by Robert J. Anderson. Med. 8vo. Pp. 204. (Cleveland, Ohio: The Sherwood Press, 1933.) 5 dollars.

Falck, Richard, und **Lutz, Hermann.** Wirkung physikalischer Methoden der Vorbehandlung des Buchenholzes: die Einflüsse des Dämpfens, der Lagerung, des periodischen Dämpfens und der Scharftrocknung auf die Vergütung des Quellens und Schwindens; Quantitative Untersuchungen über Quellung und Schwund. (Hausschwammforschungen, begründet von A. Möller, herausgegeben von Richard Falck, Heft 10.) (Jena: Gustav Fischer, 1933.) 4 gold marks.

Freeman, Henry. Deutsch-Englisches Fachwörterbuch der Metallurgie (Eisen- und Metallhuttenkunde). Band 1: Deutsch-Englisch. Cr. 8vo. Pp. 327+21 plates. (Leipzig: Otto Spamer, G.m.b.H., 1933.) 25 gold marks.

Frost, W. The Bonding of Brickwork. Cr. 8vo. Pp. vi+24+222. (Cambridge: At the University Press, 1933.) 4*s.* 6*d.*

Herzog, R. O., Herausgegeben von. Technologie der Textilfasern. Band 5, Teil 1, Abteilung 3: Leinenweberei; Leichtes Leinengewebe und Gebildweberei; Die Taschentuchweberei; Schwerweberei. Bearbeitet von F. Bührung. Sup. Roy. 8vo. Pp. 258. 32 gold marks. Band 7: Kunstseide. Bearbeitet von E. A. Anke. Zweite völlig neubearbeitete Auflage. Sup. Roy. 8vo. Pp. 321. 31.50 gold marks. (Berlin: Julius Springer, 1933.)

Isert, G. Infrarot-Photographie. 8vo. Pp. 48. (Berlin: Photokino-Verlag, 1933.) 1.50 gold marks.

Liddell, Donald M., and **Doan, Gilbert E.** The Principles of Metallurgy. (Metallurgical Texts.) Med. 8vo. Pp. vii+626. (New York and London: McGraw-Hill Book Co., Inc., 1933.) 30*s.* net.*

Ostwald, Wilhelm. Colour Science: for Advanced Students. Part 2: Applied Colour Science. Translated, with introduction and notes, by J. S. Taylor. Demy 8vo. Pp. 185. (London: Winsor and Newton, Ltd., 1933.) 10*s.* 6*d.* net.

Penck, W. Puna de Atacama: Bergfahrten und Jagden in der Cordillere von Südamerika. 8vo. Pp. 231. (Stuttgart: J. Engelhorns Nachfolger, 1933.) 6 gold marks.

Rahm, Louis F. Plastic Molding: an Introduction to the Materials, Equipment and Methods used in the Fabrication of Plastic Products. Med. 8vo. Pp. x+246. (New York and London: McGraw-Hill Book Co., Inc., 1933.) 18*s.* net.

Salmang, Hermann. Die physikalischen und chemischen Grundlagen der Keramik. 8vo. Pp. viii+229. (Berlin: Julius Springer, 1933.) 18 gold marks.

Scarborough, N. F. Sweet Manufacture: a Practical Handbook on the Manufacture of Sugar Confectionery. Pp. xi+123. (London: Leonard Hill, Ltd., 1933.) 7*s.* 6*d.* net.

Astronomy

Antoniadi, E.-M. L'Astronomie égyptienne: depuis les temps les plus reculés jusqu'a la fin de l'époque Alexandrine. Pott 4to. Pp. xi+157+7 plates. (Paris: Gauthier-Villars et Cie, 1934.) 40 francs.*

Baumann, W., und **Mecke, R.** Das ultrarote Sonnenspektrum von λ 10000 bis λ 7600 A. E. Sup. Roy. 8vo. Pp. iv+56+6 plates. (Leipzig: Johann Ambrosius Barth, 1934.) 12 gold marks.

Beet, E. A. A Guide to the Sky: a practical Handbook for Beginners. Cr. 8v. Pp. xii+96. (Cambridge: At the University Press, 1933.) 4*s.* 6*d.* net.

Eberhard, G., Kohlschütter, A., Ludendorff, H., Herausgegeben von. Handbuch der Astrophysik. Sup. Roy. 8vo. Band 1: Grundlagen der Astrophysik, Teil 1. Bearbeitet von W. E. Bernheimer, G. Eberhard, Albert König, Arthur König, K. W. Meissner, C. Runge und H. Schulz. Pp. xii+564. 99 gold marks. Band 2, Hälfte 1: Grundlagen der Astrophysik, Teil 2/1. Bearbeitet von K. F. Bottlinger, A. Brill, E. Schoenberg und H. Rosenberg. Pp. xi+430. 69 gold marks. Band 2, Hälfte 2: Grundlagen der Astrophysik, Teil 2/2. Bearbeitet von G. Eberhard und W. Hassenstein. Pp. vii+431–752. 57.20 gold marks. Band 3, Hälfte 1: Grundlagen der Astrophysik, Teil 3/1. Bearbeitet von E. A. Milne, A. Pannekoek, S. Rosseland und W. Westphal. Pp. x+474. 77 gold marks. Band 3, Hälfte 2: Grundlagen der Astrophysik, Teil 3/2. Bearbeitet von W. Grotrian, O. Laporte, E. A. Milne und K. Wurm. Pp. viii+475–832. 62 gold marks. Band 4: Das Sonnensystem. Bearbeitet von G. Abetti, W. E. Bernheimer, K. Graff, A. Kopff und S. A. Mitchell. Pp. viii+501. 78.80 gold marks. Band 5, Hälfte 1: Das Sternsystem, Teil 1/1. Bearbeitet von Fr. Becker, A. Brill, R. H. Curtiss und K. Lundmark. Pp. x+574. 99 gold marks. Band 5, Hälfte 2: Das Sternsystem, Teil 1/2. Bearbeitet von Heber D. Curtis, B. Lindblad, K. Lundmark und H. Shapley. Pp. x+575–1156+2 plates. 99 gold marks. (Berlin: Julius Springer, 1929–1933.)*

Flammarion, Camille. Annuaire astronomique et météorologique Camille Flammarion pour 1934: exposant l'ensemble de tous les phénomènes célestes observables pendant l'année; avec revue astronomique et météorologique, notices scientifiques, tableaux et documents. 70e année. Cr. 8vo. Pp. 429+4 plates. (Paris: Ernest Flammarion, 1934.) 12 francs.*

Haas, Arthur. Die kosmologischen Probleme der Physik. Cr. 8vo. Pp. vii+124. (Leipzig: Akademische Verlagsgesellschaft m.b.H., 1934.) 3.80 gold marks.*

Lessmann, K. Die Entwicklung des Weltalls: eine kritisch Studie. Roy. 8vo. Pp. 26. (Leipzig: Hillmann Verlag, 1933.) 1 gold mark.

Nowak, K. Kimmels-Atlas in 9 Kartenblättern für den Bereich vom Nordpol bis +20° Deklination. Folio. 9 plates. (Berlin: Ferdinand Dümmler, 1933.) 4.90 gold marks.

Meteorology: Geophysics

Air Ministry: Meteorological Office. Geophysical Memoirs, No. 59: A Survey of the Air Currents in the Bay of Gibraltar 1929–30. By J. H. Field and R. Warden. (Published by the authority of the Meteorological Committee.) Roy. 4to. Pp. 30+31 plates. (London: H.M. Stationery Office, 1933.) 5*s.* net.*

Air Ministry: Meteorological Office, London. A Short Course in Elementary Meteorology. By W. H. Pick. (M.O. 247.) Fourth edition, completely revised. (Published by the authority of the Meteorological Committee.) Roy. 8vo. Pp. 143. (London: H.M. Stationery Office, 1933.) 2*s.* 6*d.* net.*

Air Ministry; Meteorological Office. Averages of Temperature for the British Isles for Periods ending 1930. (M.O. 364). Published by the authority of the Meteorological Committee. Roy. 8vo. Pp. 47. (London: H.M. Stationery Office, 1933.) 9*d.* net.*

Gutenberg, B., Herausgegeben von. Handbuch der Geophysik. Band 1, Lieferung 2: Gezeitenkräfte, von J. Bartels; Die Gezeiten der festen Erdkruste, von F. Hopfner; Drehbewegungen der Erde, und Säkulare Polverlagerungen, von M. Milankovitch. Sup. Roy. 8vo. Pp. v +309–500. (Berlin: Gebrüder Borntraeger, 1933.) 36 gold marks.*

Geology: Mineralogy

Beurlen, K. Revision der Seeigel aus dem Norddeutschen Jura. Teil 1: Die irregulären Seeigel. (Abhandlungen der Preussischen Geologischen Landesanstalt, Neue Folge, Heft 152.) Roy. 8vo. Pp. 98. (Berlin: Preussischen Geologischen Landesanstalt, 1933.) 3.75 gold marks.

British Museum (Natural History). The London Clay Flora. By Eleanor Mary Reid and Marjorie Elizabeth Jane Chandler. Roy. 4to. Pp. viii +561 +33 plates. (London: British Museum (Natural History), 1933.) 50*s.**

Bülow, K. v., Herausgegeben von. Handbuch der Moorkunde. Band 7: Peat Deposits in U.S.A., their Characteristic Profiles and Classification, by Alfred P. Dachnowski-Stokes; Peat Bogs of Southeastern Canada, by Väinö Auer; Die Moore Südamerikas, insbesondere Feuerlands, von Väinö Auer. Roy. 8vo. Pp. vi +239 +9 plates. (Berlin: Gebrüder Borntraeger, 1933.) 30.50 gold marks.

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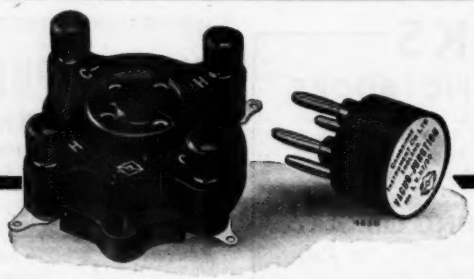

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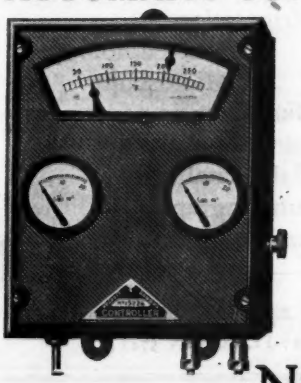

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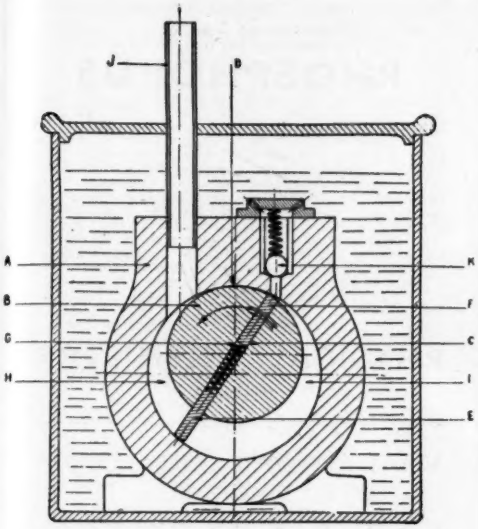

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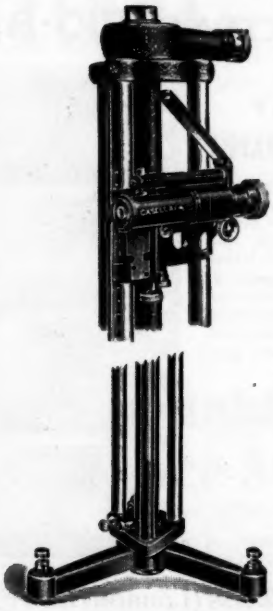

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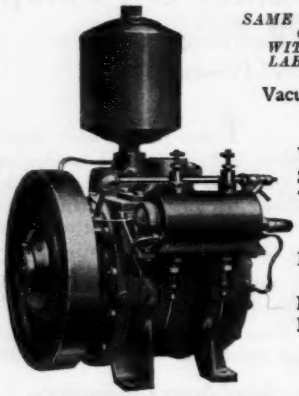

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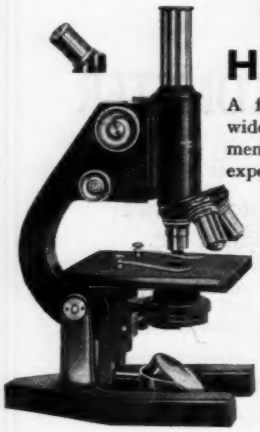

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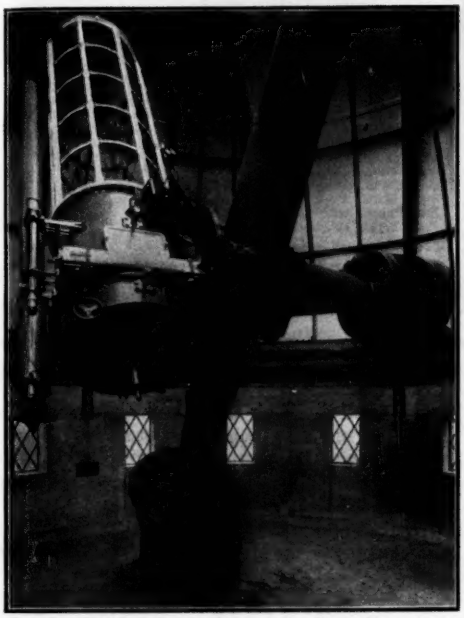

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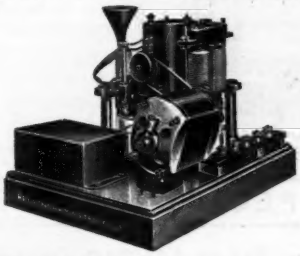

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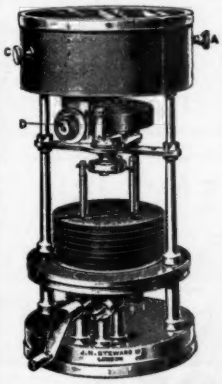

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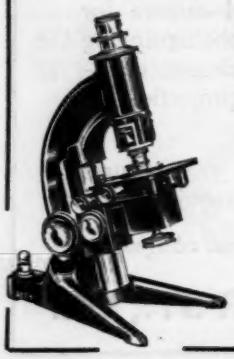

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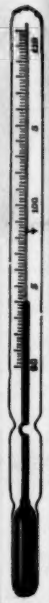

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